

LITTLE COLORADO RIVER BASIN

09400595 SCHULTZ CANYON AT FLAGSTAFF, AZ

LOCATION.--Lat 35°13'37", long 111°39'29", in SE¹/₄SW¹/₄ sec.4, T.21 N., R.7 E., Coconino County, Hydrologic Unit 15020015, at U.S. Highway 180, 0.6 mi south of the Museum of Northern Arizona in Flagstaff.

DRAINAGE AREA.--6.09 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1970	00-00-70	0		1976	00-00-76	0	
1971	00-00-71	0		1977	00-00-77	3.0	LT
1972	00-00-72	0		1978	07-06-78	17	
1973	04-28-73	48		1979	03-00-79	41	
1974	00-00-74	0		1980	03-00-80	35	
1975	00-00-75	0					

Magnitude and probability of instantaneous peak flow based on period of record

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25	50†	100†
50%	20%	10%	4%	2%	1%
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Weighted skew	(logs) =	---			
Mean	(logs) =	---			
Standard dev.	(logs) =	---			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
296	5.8	8,060	89.0	3.0	21.9	2.1	4.0

